Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	03/10/2015 03:50 PM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/20/2014 10:06 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 51739, Expiration Date: 01/31/2016
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123876	-1	1.46	123708	1.43
Blue	F	SSC	125000	125422	0	2.43	126344	2.16
Blue	E	FITC	17374	16718	-4	2.26	940	8.66
Blue	D	PE	22653	22162	-3	1.89	1000	7.75
Blue	B	PerCP-Cy5-5	64987	64301	-2	2.56	1697	12.68
Blue	A	PE-Cy7	74081	73226	-2	3.60	958	24.07
Red	C	APC	61430	58848	-5	3.22	3331	8.05
Red	A	APC-Cy7	88289	86141	-3	3.41	1697	8.09
Violet	B	V450	12535	12170	-3	2.97	750	7.30
Violet	A	V500	47468	46785	-2	2.56	2641	5.09

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19782	5.10	590	11	N/A	N/A	Pass
Blue	F	SSC	62610	1.44	502	13	N/A	N/A	Pass
Blue	E	FITC	103	33.78	516	7	0.0264	65	Pass
Blue	D	PE	207	23.31	510	9	0.1839	123	Pass
Blue	B	PerCP-Cy5-5	206	38.47	591	11	0.0120	9	Pass
Blue	A	PE-Cy7	73	92.66	649	12	0.0158	6	Pass
Red	C	APC	312	25.42	572	2	0.0232	24	Pass
Red	A	APC-Cy7	107	37.07	550	4	0.0050	678	Pass
Violet	B	V450	80	37.47	452	3	0.0552	1594	Pass
Violet	A	V500	173	18.81	480	2	0.0175	0	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.62	47.70 - 71.54	N/A	N/A	-31.45	-30.94	0.88
Blue	20.47	16.35 - 24.53	1.25	1.00 - 1.50	0.00	0.00	1.31
Red	15.01	13.07 - 19.61	N/A	N/A	31.29	31.74	1.12

Window Extension: 7.00
FSC Area Scaling Factor: 0.89

Threshold

Threshold (FSC): 15912

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments